

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

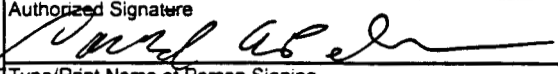
California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
All respondents must complete this section.			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name		County	
County of Sacramento/City of Citrus Heights Regional		Sacramento	
Authorized Signature		Title	
		Director, Dep. of Waste Mgmt & Recycling	
Type/Print Name of Person Signing		Date	Phone () Include Area Code
David A. Pelser, P.E., D.E.E.		1/28/04	(916) 875-6789
Person Completing This Form (please print or type)		Title	
Doug Kobold		Solid Waste Planner	
Affiliation: Employee, Dep. Of Waste Mgmt. & Recycling			
Mailing Address		City	State ZIP Code
9850 Goethe Road		Sacramento	CA 95827-3561
E-Mail Address koboldd@SacCounty.net			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	2001

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The proposed generation study represents actual surveyed data collected for Calendar Year 2001 using the same methodologies as were applied to the 1998 through 2000 reporting years based on a generation based calculation of the Regional Agency's diversion rate. The 2000 values were audited by the CIWMB and the State Auditor's Office in 2001 for validity. Further, as shown on "Table A-2: Historical Results of CIWMB Calculator for the RA", on Page A-3 of the attached New Base Year for 2001 Report, the Generation Based Diversion Rate column shows a steady increase in the diversion percentage as programs were implemented, then finally levelling off upon completion of implementation.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year	a. 18 %	Diversion rate calculated using new generation-based study	b. 55 %
For existing base year pounds/person/day based on generation	8.16	For new generation based study pounds/person/day based on generation	12.24
Residential generation 49.3 %	Non-Residential generation 50.7 %	Residential generation 48.6 %	Non-Residential generation 51.4 %
Population existing generation-based study 632,330		Population new generation-based study 681,500	

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

Since 1998, all diversion efforts within the Regional Agency (RA) have been tracked by estimating actual tons diverted using local ordinance reporting requirements and approved survey methodologies. By 1998, the existing base year appeared to be inaccurate when using it to determine the diversion rate each year for the RA (see Table A-2 as referred in in the response to Question 3 above). For Reporting Year 2000, the CIWMB audited the methodologies for determining the generation based accounting method used by the RA for developing the diversion rate for that year. The CIWMB approved the 2000 diversion rate for the RA in February 2003. Using the New Base Year for 2001 to determine the diversion rate for 2002, the result for 2002 is similar to the rates for 2000 & 2001. This is contrary to the results using the existing base year from 1990. The difference for preliminary values for 2002 are 29% vs. 51% using the 1990 vs. 2001 Base Years, respectively.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The difference of 37% between the 1990 Base Year and the 2001 Base Year is based on more current and accurate measurement of the existing diversion taking place now, rather than almost 14 years ago. With all of the proposed SRRE programs being implemented and local ordinances being in-place and enforced since the mid-1990's, a more accurate measurement of actual diversion taking place today is possible.

7. Disposal Tonnage (enter values):	288350 Residential	390148 Non-Residential	678498 Total
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Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. *Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.* Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Residential Source Reduction Activities					
Backyard composting	3679	0.2%	See Attached New Base Year Report		Consultant Report
Grasscycling	16865	1.1%	See Attached New Base Year Report		Consultant Report
Other Residential Source Reduction (list each program separately)					
Thrift Stores	11401	0.7%	See Attached New Base Year Report		Consultant Report
Diaper Service	107	0.0%	Cloth Diapers	See Attached New Base Year Report	Diaper Service Interview Notes
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	32053	2.1%			
Residential Recycling Activities					
Curbside Recycling	58732	3.9%	See Section A - Chart 3 of New Base Year Study Report		
Buyback Centers	11839	0.8%	AB 2020 Program Materials		DOC Records
Drop-off Centers					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmh.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Other Residential Recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	70571	4.6%			
Residential Composting Activities					
Green Waste Drop-off			Included in Curbside Green Waste Figure		
Curbside Green Waste	92394	6.1%	Curbside Containerized Green Waste, Christmas Trees, County Facilities Self-Haul, Etc.		Tonnage Records
Christmas Tree Program			Included in Curbside Green Waste Figure		
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	92394	6.1%			
Subtotal, Residential Diversion	195019	12.8%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Enter Program name					
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Non-Residential Source Reduction	0	0.0%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.clwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Recycling					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
County Facilities Self-Haul	26682	1.8%	Inerts, White Goods, Wood Waste, Tires, CRTs, Etc. (See attached New Base Year Study Report)		Tonnage Records
Private Facilities Self-Haul	97748	6.4%	Card Board, MRF Fines/ADC, Green Waste, Inerts, Metals, Plastics, Etc. (See attached New Base Year Study Report)		Quarterly Survey Forms - Maintained at RA Office
SWA Franchisees (Franchised Commercial Haulers)	105930	7.0%	Card Board, MRF Fines/ADC, Commingled Recyclables, Glass, Green Waste, Inerts, Metals, Plastics, Etc. (See attached New Base Year Study Report)		Quarterly Survey Forms - Maintained at RA Office
Local Recycling Companies	370701	24.3%	Cardboard, Glass, Green Waste, Inerts, Metals, Mixed Paper, Etc. (See attached New Base Year Study Report)		Annual Survey Forms - Maintained at RA Office
Mill Direct Recyclable Marketing	21982	1.4%	Cardboard, Mixed Paper, Newspaper, Etc. (See attached New Base Year Study Report)		Annual Survey Forms - Maintained at RA Office
Subtotal Non-Residential Recycling	623044	40.9%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	0	0.0%			
Subtotal Non-Residential Diversion Residential/Non-Residential Diversion Activities	623044	40.9%			
ADC	14274	0.9%	MRF Fines, Green Waste, C&D Processing Fines		Quarterly Survey Forms - Maintained at RA Office
Sludge					
Scrap Metal	11774	0.8%	Metals Recovered at Facilities & Recycling Companies		Quarterly Survey Forms & Tonnage Data - Maintained at RA Office
Construction and Demolition			Included in County & Private Facilities, SWA Franchisees, Local Recycling Companies		
Landfill Salvage	172	0.0%	Materials Recovered from Tipping Area (Program ended in April, 2001)		Tonnage Data
Subtotal Residential/Non-Residential Diversion	26220	1.7%			
Total Res/Non-Res Source Reduction Tons	32053	2.1%			
Total Diversion Tons	844283	55.4%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.chwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Total Disposal Tons from Sec.7	678498	44.6%			
Total Generation Tons (Div+Dis)	1522781				
Diversion Rate	55%				

9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation In Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
Totals								

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept. ").

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
White Goods ▼	County Operated White Goods Program (CFC) at NCU, TS, and LF	1996	2522
Inert Solids ▼	SWA Ord. No. 2 & Resolution 96-01 (drop box/C&D)	1996	337504
Scrap Metal ▼	SWA Ord. No. 2 & Resolution 96-01 (Recovery through Processing)	1996	11774
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information. _____ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note:** Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Total Waste Generation - 2001									
Sacramento County Unincorporated Area & the City of Citrus Heights									
Disposal									
Kiefer Landfill	North Transfer Station	Florin-Perkins Landfill	L & D Landfill	Sacramento Recycling & Transfer Station	Elder Creek Transfer Station	Other Export			Total
222,364	145,595	20,999	50,289	65,814	160,418	9,092			674,572
						9,250	Forward Correction		683,822 w/Correction
						-5,323	Anderson Correction		678,498 w/Correction
Diversions									
County Operations & South Area Contractor	Franchisee	Facilities	Recyclers	Reduction	Mill-Direct				Total
177,981	121,831	103,946	386,491	32,053	21,982				844,283
SUPPORT INFORMATION		SWA City/County Factor:		62.2773%					
County Ops./South County*		*Note: Excludes Elk Grove Tonnage				Recyclers			
		Tonnage	County Value					Tonnage	County Value
Commingled		58,732	58,732			A1 Metals			
Green Waste Collection		92,394	92,394			C & C Paper Recycling			
Wood at Kiefer		3,050	3,050			Federal Asset Recovery			
Wood at NARS		13,075	8,143			Granite Construction			
Inerts at Kiefer		9,718	9,718			Ming's Metal Recycling			
Salvage at Kiefer		64	64			Lionidakis Wood & Green Waste			
Salvage at NARS		172	107			Pacific Coast WastePaper			
Appliances/Metal at Kiefer		1,033	1,033			Progressive Metals			
Appliances/Metal at NARS		2,391	1,489			Schnitzer Steel Products			
Tires		344	344			Senior Gleaners, Inc.			
Wood/Brush ADC		153	153			Sims Metal America - North			
CRT Recycling at Kiefer		7	7			Sims Metal America - South			
CRT Recycling at NARS		47	29			Smurfit Recycling - North			
Other		2,718	2,718			Smurfit Recycling - South			
TOTAL		183,898	177,981			Strategic Materials			
	City Share	5,917				Sunshine Padding & Foam Recycling			
Franchisee		Tonnage	County Value			Sunshine Steel			
Advance Disposal						Super Pallet Recycling			
ARS, Inc.						Total Tire Recycling			
Atlas Disposal						WMC&R			
BFI						Weyerhaeuser Co.			
Camarillo Waste Removal						SMUD - Wood Chip Program			
Central Valley Waste						County Dept. of Transportation - Landscape			
Coastal Waste and Recycling						County Dept. of Transportation - Paving			
D&D Disposal						CA Emergency Foodlink			
Norcal of Sacramento						DC Metals			
Northwest Recyclers						CEAR, Inc.			
Sierra Waste Transportation						Teichert Aggregates, Perkins Plant			
Waste Removal & Recycling						HMR Group - Sacramento			
WMI of Sacramento						HMR Group - San Francisco			
Western Strategic						Hewlett-Packard Company			
TOTAL		195,626	121,831			Recycling Industries			
	City Share	73,796				Certified AB 2020 Centers (Dept. of Conservation)			
Private Facilities (Self-Haul)		Tonnage	County Value			Tri-C Manufacturing, Inc.			
Elder Creek Transfer						California Concrete Crushing & Recycling			
Florin-Perkins						Riverside Aggregates			
L&D						Roseville Aggregates			
Sacramento Recycling & Transfer						Travis Reid Recycling			
TOTAL		178,393	103,946			The Saints Recycling Service			
	City Share	62,962				EBI Aggregates			
Reduction		Tonnage	County Value			Bell Marine Co., Inc.			
Backyard Composting		3,679	3,679			TOTAL		660,280	386,491
Thrift Stores		19,567	11,401				City Share	273,789	
Garage Sales		-	-			Mill-Direct		Tonnage	County Value
Diaper Service		172	107			Albertson's Inc.			
Grasscycling & Mulching		16,865	16,865			Allan Company			
TOTAL		40,283	32,053			American River Packaging			
	City Share	8,231				Goodwill Industries			
						Home Depot			
						Raley's & Bel Air			
						Ralph's			
						Safeway			
						Sutta Co.			
						Sub-TOTAL		17,336	13,817
							City Share	3,519	
						Mill-Direct (Rendering)		Tonnage	County Value
						Albertson's Inc.			
						Raley's & Bel Air			
						Ralph's			
						Safeway			
						Modesto Tallow Company			
						Sacramento Rendering Company			
						Sub-TOTAL		12,179	8,165
							City Share	4,014	
						MILL-DIRECT TOTAL		29,515	21,982

Confidential

Confidential

Confidential

Confidential

Confidential

Diversion Machine 2001.9.xls

Board Meeting February 15-16, 2005										Total Waste Generation - 2001 Sacramento County Unincorporated Area & the City of Citrus Heights										Agenda Item Attachment	
Disposal																					